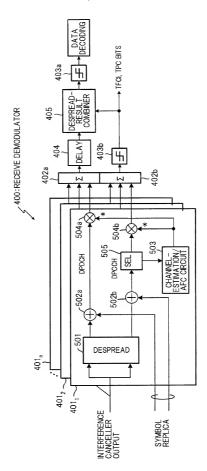


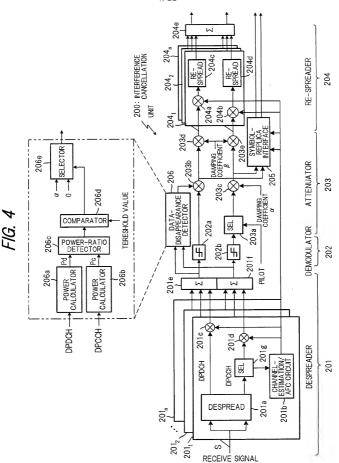
2/22 **FIG. 2**

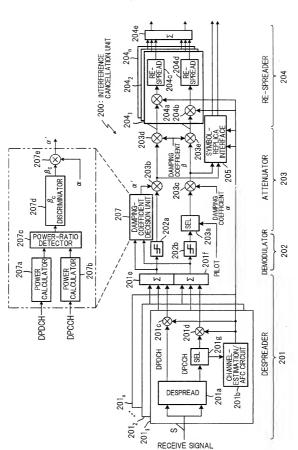
	DPDCH	SF1	SF2	SF3	SF4	SF5	
RECEIVE SIGNAL	DPCCH	SF1	SF1	SF1 SF1 SF1 2 SF3 SF4 SF5 1 SF1 SF1 SF1 5 SF5 SF5 SF5	SF1		
RECEIVE SIGNAL	DPDCH	SF1	SF2	SF3	SF4	SF5	
	DPCCH	SF1	SF1	SF1	SF1	SF1	
INTERFERENCE REPLICA	DPDCH	SF5	SF5	SF5	SF5	SF5	
	DPCCH	SF1	SF1	SF1	SF1	SF1	
		▼ 1 FRAM	► E				

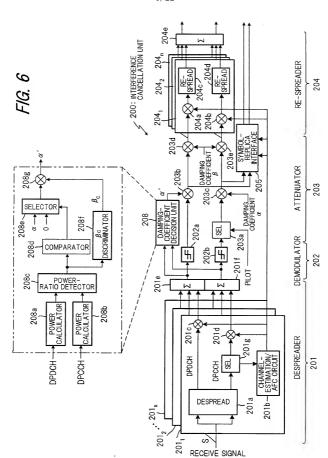
SF1>SF2>SF3>SF4>SF5=MINIMUM SF

FIG. 3

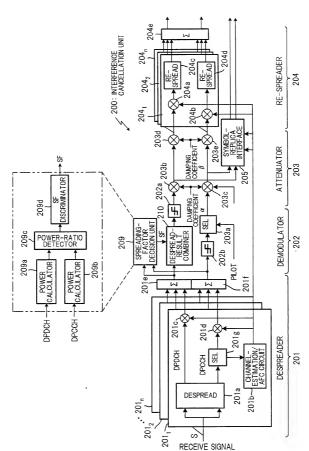




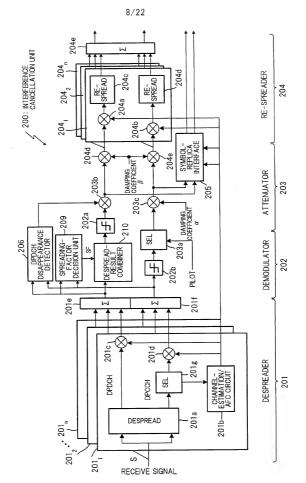




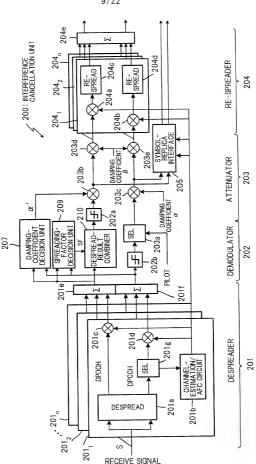




F1G. 8







RECEIVE SIGNAL

FIG. 10 PRIOR ART

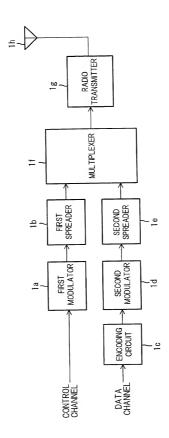


FIG. 11 PRIOR ART

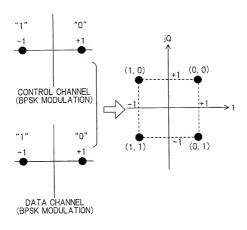


FIG. 12 PRIOR ART

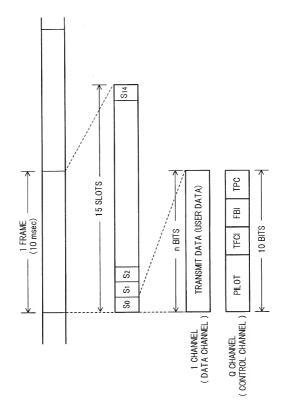


FIG. 13 PRIOR ART

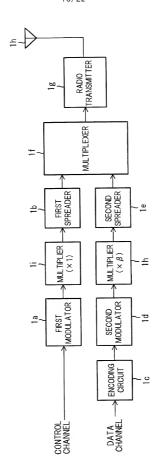


FIG. 14A PRIOR ART

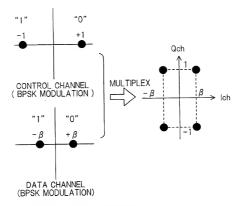


FIG. 14B PRIOR ART

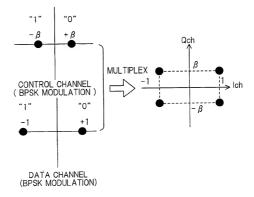
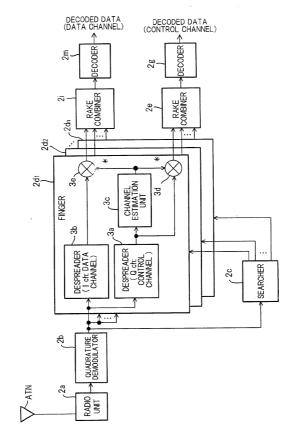
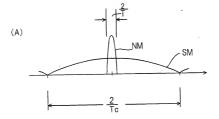


FIG. 15 PRIOR ART



16/22

FIG. 16 PRIOR ART





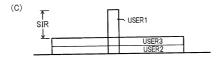




FIG. 17 PRIOR ART

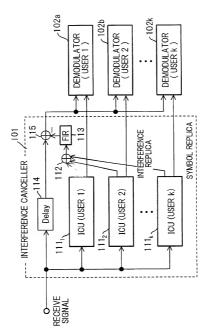
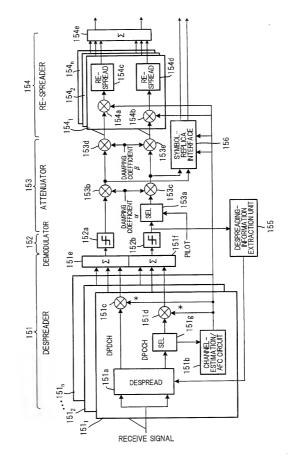


FIG. 18 PRIOR ART



19/22

FIG. 19 PRIOR ART

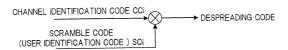


FIG 20A PRIOR ART

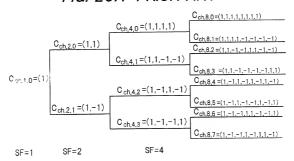


FIG 20B PRIOR ART

$$C_{ch,1,0} = 1$$

$$\begin{bmatrix} C_{ch,2,0} \\ C_{ch,2,1} \end{bmatrix} = \begin{bmatrix} C_{ch,1,0} & C_{ch,1,0} \\ C_{ch,1,0} & -C_{ch,1,0} \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 1 & -1 \end{bmatrix}$$

$$\begin{bmatrix} C_{ch,2(n+1),0} \\ C_{ch,2(n+1),1} \\ C_{ch,2(n+1),2} \\ C_{ch,2(n+1),3} \\ \vdots \\ C_{ch,2(n+1),2(n+1)-2} \\ C_{ch,2(n+1),2(n+1)-1} \end{bmatrix} = \begin{bmatrix} C_{ch,2^n,0} & C_{ch,2^n,0} \\ C_{ch,2^n,0} & -C_{ch,2^n,0} \\ C_{ch,2^n,1} & -C_{ch,2^n,1} \\ C_{ch,2^n,1} & -C_{ch,2^n,1} \\ \vdots & \vdots \\ C_{ch,2^n,2^{n-1}} & C_{ch,2^n,2^{n-1}} -C_{ch,2^n,2^{n-1}} \end{bmatrix}$$

FIG. 21 PRIOR ART

FOR SPREADING FACTOR SF (=16)

Data2		
Data1	"001100110011"	
SYMBOL DATA	CHANNEL TIDENTIFICATION	CODE

FOR SPREADING FACTOR SF_{min} (=4)

ſ	_			
	Data8	"0011"		
	Data7	"0011"		
	Data6	0011		
	Data5	"0011		
	Data4	"0011"	,	
	Data3	.001		SF/SF _{min}
	Data2	"0011"		S
	Data 1	70011		
	SYMBOL DATA Data1	IDENTIFICATION	CODE	_

FIG. 22 PRIOR ART

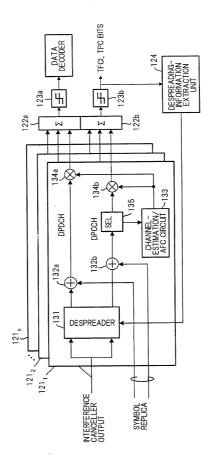


FIG. 23 PRIOR ART

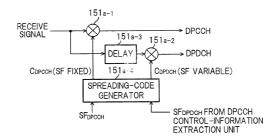


FIG. 24 PRIOR ART

RECEIVE SIGNAL	DPDCH	SF1	SF2		SF3		SF4		SF5		
TEOLIVE OIGHTE	DPCCH	SF1		SF1		SF1		SF1		SF1	
DELAYED	DPDCH			SF1		SF2	\Box	SF3		SF4	4
RECEIVE SIGNAL	DPCCH			SF1		SF1		SF1		SF1	
INTERFERENCE REPLICA	DPDCH			SF1		SF2		SF3		SF4	
	DPCCH			SF1		SF1		SF1		SF1	

1 FRAME